

Title (en)
DEVICE AND METHOD FOR INDUCTIVELY HEATING METAL COMPONENTS DURING WELDING, USING A COOLED FLEXIBLE INDUCTION ELEMENT

Title (de)
VORRICHTUNG UND VERFAHREN ZUM INDUKTIVEN ERWÄRMEN METALLISCHER BAUTEILE BEIM SCHWEISSEN UNTER VERWENDUNG EINES FLEXIBLEN GEKÜHLTEN INDUKTIONSELEMENTES

Title (fr)
DISPOSITIF ET PROCÉDÉ DE CHAUFFAGE INDUCTIF DE COMPOSANTS MÉTALLIQUES LORS DU SOUDAGE À L'AIDE D'UN ÉLÉMENT INDUCTIF FLEXIBLE REFROIDI

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Application
EP 11808158 A 20111117

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Abstract (en)
[origin: WO2012065608A1] The invention relates to a device (10) for inductively heating metal components (15), in particular during welding, comprising at least one flexible induction element (12) and at least one flexible coolant line (12) for a coolant for cooling the induction element, wherein the flexible induction element and the coolant line can be plastically or elastically deformed several times and can be manually or automatically adapted to the shape of components to be heated in such a way that a distance remains between the induction element and coolant line and the components to be heated, wherein the flexible induction element and the coolant line are designed in such a way that the induction element and the coolant line maintain said shape in a self-supporting manner during the operation of the device.

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Citation (search report)
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Cited by
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